

User Guide

MEDIADISK NRX SERIES



MEDIADISK NRX Series



USER GUIDE

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Mediadisk NRX Series is a Home Media Center, with a built-in 3.5" HDD, can record and play media files (movies, audios and photos) through TV and when connected to PC, can also copy and play shared files via network.

SAFETY AND OTHER INSTRUCTIONS

Please use NRX carefully and read following instructions.

>>> Copyright

Software, audio, video or any intellectual properties are protected by copyright and international laws.

It is user's responsibility when reproducing or distributing content(s).

>>> Codec Check

This product may not support some media formats. Please check available codec types.

>>> Data Backup

Please backup datas stored in this product in a safe place. We are not responsible for any data loss or damage.

>>> Drop / Shock

Do not give shock or drop the NRX. This may damage it.

>>> Foreign Substance

Do not insert any metal or inflammable foreign substances into player. This may damage it.

>>> Disassembly / Modification

Do not attempt to disassemble or modify any part of NRX. This may damage it.
Any product modification may void the warranty.

>>> Load

Do not place any heavy object on the top of the NRX. This may damage it.

>>> Chemicals

Do not clean product using chemicals cleaners. This may damage the NRX.

>>> Water / Moisture

Do not contact the NRX with water or liquid.

This may cause fire or electric shock. If any conductive liquid enters, turn off the NRX and disconnect power adapter immediately.

>>> Magnet or Magnetic Properties

Do not place the NRX near a magnetic field. This may cause a malfunction or damage stored data.

>>> Heat

Do not place the NRX under direct sunlight or near a heat source. Do not keep it for long time in high temperature. This may damage it.

>>> Vision / Hearing

Do not watch TV or hear loud sound for long time. This may cause vision or hearing problem.

>>> Fire

During NRX use, if you detect smoke or unusual smell, turn off product, disconnect adapter immediately, and call the aftersales department if required.

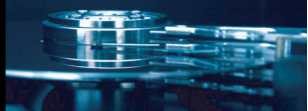
>>> Children

Do not let children touch the NRX. They may damage it.

>>> Power

Do not use many electronic products with single outlet.

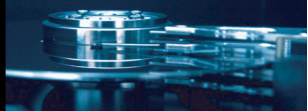
Firmly insert power plug. When working, do not unplug.



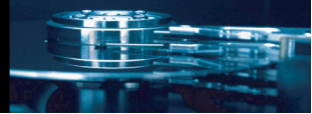
REMOTE CONTROL



Buttons	Function
	POWER on or off.
	Display media file information. In video and photo mode, press to view time, title or chapter.
	Select audio track.
	View Guide menu.
	Activate subtitles.
	Enter Timer Menu.
	Mute audio output.
	Record or resume when paused. Press repeatedly to set length: 30mins / 60mins / 90mins / 120mins / 180mins / 240mins / Off.
	Decrease volume.
	Increase volume.
	Press to confirm.
	Navigation buttons
	Change settings.
	Select option bar.
	Numeric buttons: To select channel or numeric input.



Button	Function	Button	Function
	Jump to a specific point.		Skip to next title.
	SLOW button: play in slow motion. Available levels: 3/4, 1/2, 1/4, 1/8, 1/16x		Browse music, photo and movie files.
	Return to previous list in menu mode.		Pause live TV and resume program from the point you left. Program is recorded in available space. Time Shift mode remains active until you press "Play" button.
	Begin playback.		Press to repeat title.
	Stop playback.		Zoom levels: Photo: 2X, 4X, 8X, 16X Video: 2X, 3X, 4X, 8X
	Pause current playback.		Switch between video output: - NTSC Interlaced - NTSC Progressive - PAL Interlaced - PAL Progressive.
	Go to previous title.		Copy file from one device to another.
	Rewind playback. Press repeatedly to select speed.		Select file or folder to rename or to delete.
	Forward playback. Press repeatedly to select speed.		Select to confirm.



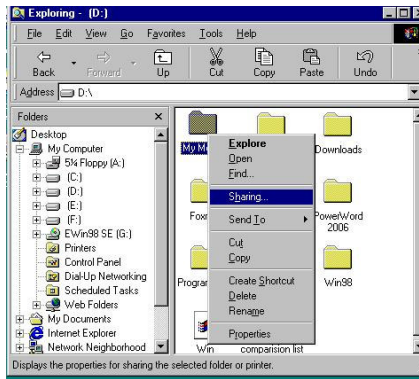
NETWORK BASED DATA SHARING WITH PC

Network-based Data Sharing with PC

After LAN cable is connected, according to your system environment, set up windows network as follows.

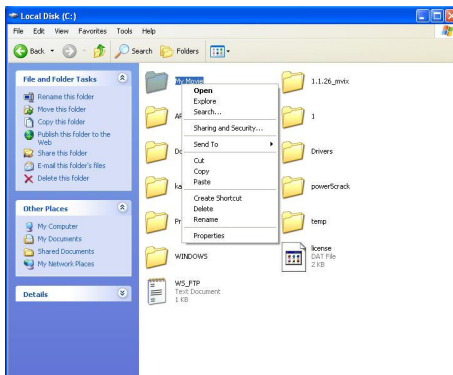
To establish network communication between NRX and your computer, two requirements should be satisfied:

- 1) Folder sharing and security setup
- 2) Using same IP address band and Subnet Mask

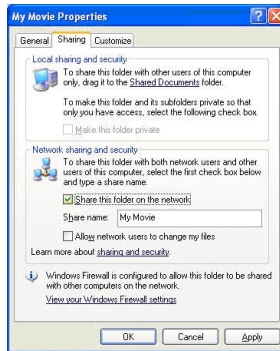
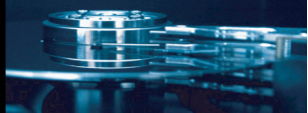


Data sharing Setup for Windows XP

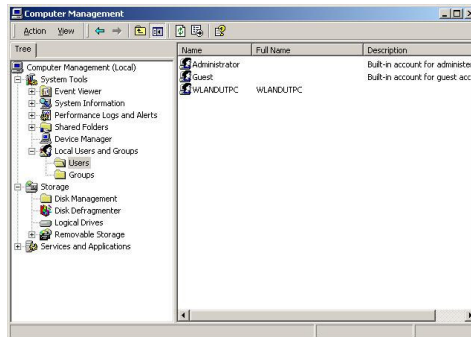
1. Select folder you want to share and select "Sharing and security" with right mouse button.



2. Check "Sharing this folder on the network" and type "Share Name". Ex: My Movie 
- WARNING! "Share Name" should be less than 12 characters.**

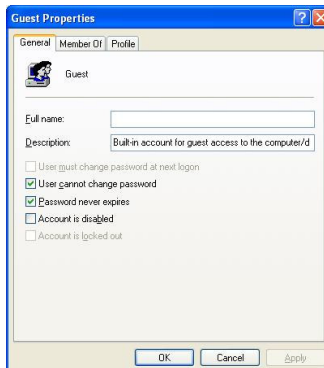


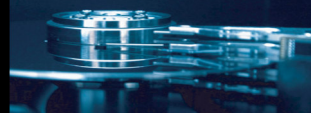
3. If folder is shared, you will see a hand mark on folder icon. Ex: My Movie 
4. Go to "Control Panel –Administrative Tools –Computer Management –Local Users and Group" and among displayed items, double-click "Guest" item.



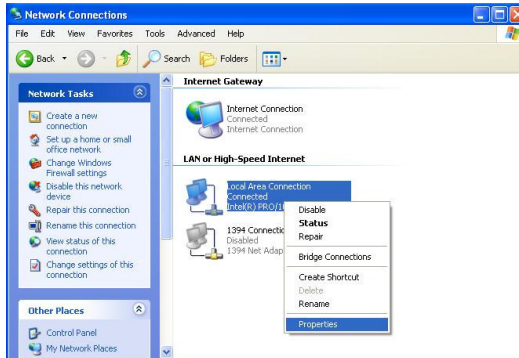
WARNING!

- Permission setting is only required for Windows XP Pro users. If you are an XP home user, go directly to step "6".
- If you cannot see "Administrative Tools", click on "Switch to Classic view" on left corner.



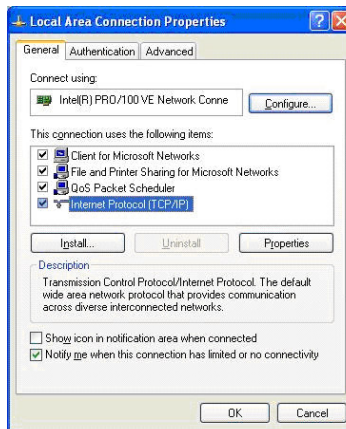


5. After checking “User cannot change password” and “Password never expires”, keep the other checkboxes unchecked.
6. Go to “Control Panel—Network Connections”. Select “Local Area Connections”. Select “Properties” using right mouse button.



WARNING !

- If you cannot see any “Network connections”, click on “Switch to Classic View” on the upper left corner
 - If there are more than two “Local Area Connections”, select the LAN card connected to NRX.
7. Among displayed items, double-click “Internet Protocol (TCP/IP)”.



After checking “Specify an IP address” enter your IP address and subnet mask.
Ex: IP address: 192.168.1.3 Subnet Mask: 255.255.255.0.

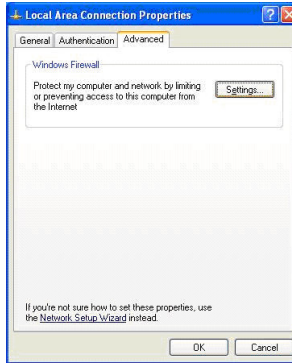


WARNING!

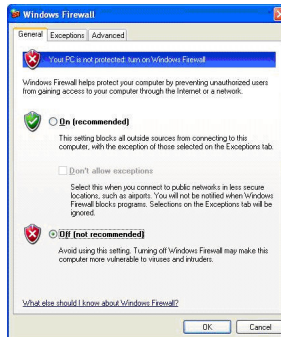
If your PC already has “Obtain IP address automatically” checked and IP automatically assigned from an Internet router or DHCP server, you may not need this setup.

If you want a manual IP setup, please obtain an available IP address and subnet mask from the router manufacturer or network administrator.

If “Internet Connection Firewall” option is checked, cancel this option.
For Windows Service Pack 2 in “Window Firewall” Section click on “Settings”.



After selecting off, click on “ok”.

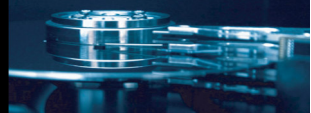


8. Configure NRX network environment.

After pressing “Setup”, select “IP SETUP” among “NETWORK” setup items and set this to manual setup. Then enter your IP address and subnet mask.

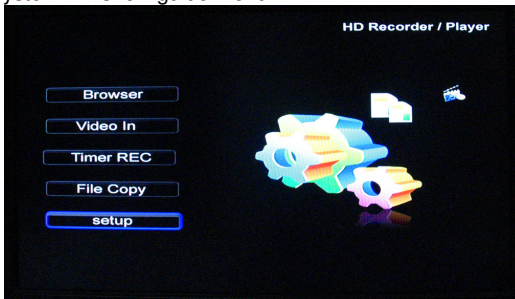
Ex) IP address: 192.168.1.10 / Subnet Mask: 255.255.255.0.

IP address	
IP address	192.168.001.010
Subnet Mask	
Subnet Mask	255.255.255.000



MENU INTERFACE

After a few seconds, the system will show guide menu.



Selecting Browser

It's an explorer: browse movie, photo, and music files stored in USB, HDD, Network and Card Reader.

Video In

Select the input source to be recorded.

Selecting Timer Rec

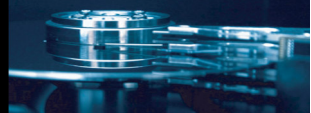
Create, edit and delete recording schedule and view all schedule status and history.

File Copy

File Manager: Copy files with USB, HDD, Network and Card Reader from a media to another.

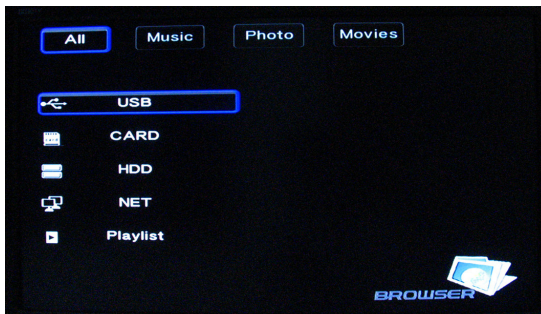
Selecting Setup

Change settings.



BROWSER MENU

Browse and play music, photo and movie files stored in NRX or external USB device, card reader, Network or Playlist.



Browsing All

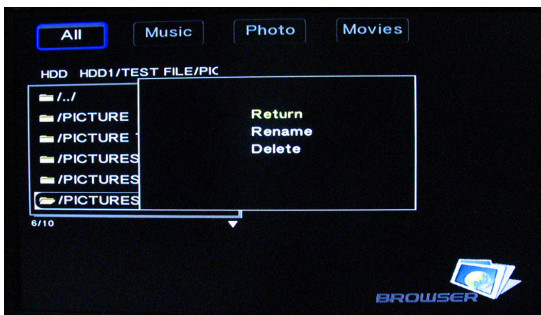
Select **All** in menu.

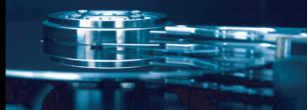


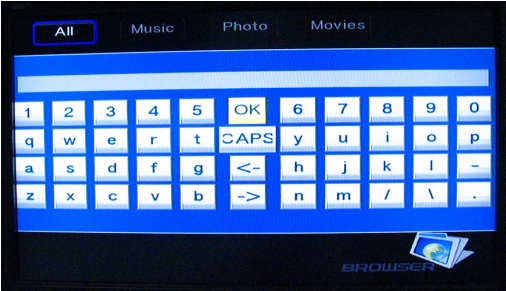
Select folder(s) containing all files (Music ,Photo and Movie). Select file you want to view and it will be displayed.

File Edit Menu

Select file or folder, and display Edit.





Return	Select to go to main screen.
Rename	To rename file: 1. Select Rename from menu bar. 2. Name entry screen appears.  3. Use navigation arrows to select letters and numbers. Select CAPS to toggle between uppercase and lowercase letters. 4. Once you have entered new name, select OK to confirm all changes. If you want to cancel changing name, press Return
Delete	To delete title: 1. Select Delete from menu. 2. Confirm and delete file. 3. A confirmation message appears. 4. Press Enter to delete selected file. To cancel, select Return.

Browse from NET

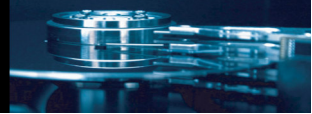
My Short Cut

Reach directly the PC, no need to access by network.



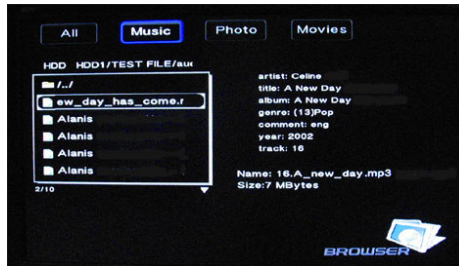
My Neighbors

Enter directly to PC's shared folder.



Browse Music

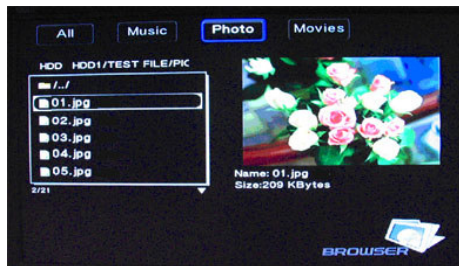
Select folder containing your audio files. A thumbnail strip will appear at the screen bottom, with song information.



NRX supports Mp3, WMA, AAC, OGG format.

Browse Photos

Select folder containing photo files. Select photo you want to view and it will be displayed full screen.



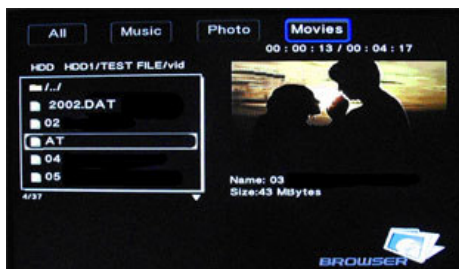
Note:

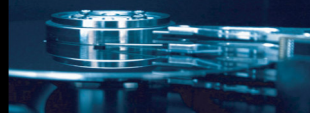
1. When photo is displayed in full screen mode, slide show starts automatically.
2. While listening to MP3 files, you can browse photos at the same time.

Rotate photo in any angle with navigation arrows or zoom in/out photo, three levels are available.
NRX supports High Definition Photo (JPG,JPEG).

Browse Movies

Select folder(s) containing movie files. Select movie you want to view and it will be displayed full screen.





RECORDING FUNCTION

Video in

Select to record directly from AV in.



System will create "My Recordings" folder at HDD or USB device.
Your recorded file will be saved at this folder. File name will be named according to system time.

Timer REC

Plan recording schedules, view status and history.

Create a New Schedule

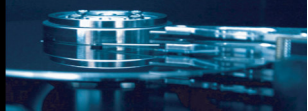
Select **Edit** from menu.



Select **Add a New Schedule** and confirm.

Adjust settings according to:

Source	Video / YCbCr
Start Time	Enter recording date and time.
Length	Enter recording length
Repeat	Program a record schedule.
Device	USB or HDD support
Quality	Select recording quality. Choose from HQ, SLP, EP, LP and SP. High quality level requires more space on hard drive. Left screen HDD/USB Free Space is for details.
Preview	Show selected channel current program.



Edit Schedules

Select schedule you want to edit from list.



Modify schedule as described in “**Create a New Schedule**” on previous page.

Delete Schedules

Select the schedule you want to delete and confirm one, all or cancel.



View Schedule Status

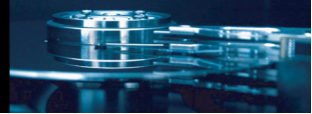
Schedule list is displayed.



Enable Timer according to your needs: **by User or stand by.**

View Recording History

View complete history of all recordings set.

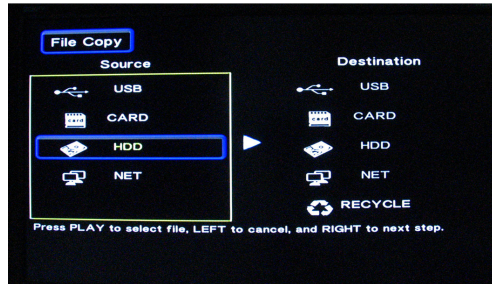


FILE COPY MENU

Copy files from Hard Disk, NET, USB or Card Reader from a media to another.
Select **File Copy** from **Guide** menu or select COPY on remote control.

Step 1. Select Source Device

Select device your want to copy in Source sector.

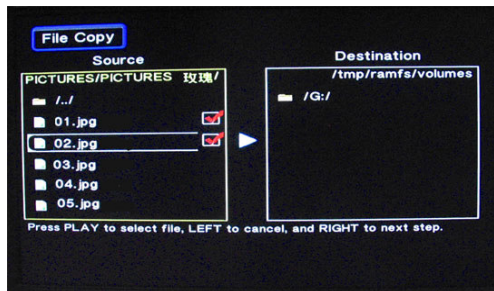


Step 2. Select Destination Device

Select Destination device in right part.

Step 3. Select copy files or folders

At Source sector, select files or folders you want to copy. A mention will be displayed aside name side.

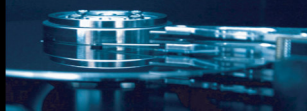


Step 4. Select the folders of Destination

At destination sector, select folder where you want to copy your files.

Step 5. Copy Status

When succeeded, system will display "File Copy Completed!".
If failed, system will display "File Copy failed!"



SETUP MENU

Configure video, record and system settings.

Photo Settings

Slide Show Timing	Set slide show time. Select OFF or interval you require.
Transition Effect	 Select OFF or following transition effects required: 1) Cross Fade – fade in and fade out 2) Left to Right- from left to right 3) Top to Bottom- from top to bottom 4) Waterfall - steep descent of water 5) Snake – snake motion 6) Dissolve – water dissolve 7) Strip Left Down – strip cover from left top to right bottom 8) All Effect Shuffle – shuffle in and out
Background Music	Play music file under same folder. Select background music position. Select “off” to close function.

Audio Settings

Night mode: Sound will be reduced but clearer. Select from off / on / comfort and confirm.

Digital output: Select from HDMI LPCM / HDMI RAW / SPDIF LPCM / SPDIF RAW and confirm.

Video Settings

Aspect Ratio	Select from: Pan Scan 4:3 / Letter Box 4:3 / 16:9 and confirm. Pan Scan 4:3: Display a wide picture on entire screen. Letter Box 4:3: Display a wide picture with two black borders on top and bottom of 4:3 screen 16:9: Compressed image to convert whole image.
Brightness	Set brightness levels. New setting is previewed on screen.
Contrast	Set contrast levels. New setting is previewed on screen.
TV System	Select to adjust TV system, depending on your preferences.



HDMI Settings

Change your TV-set to HDMI output to be displayed on your TV screen.

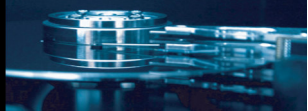
Record Settings

Quality	Select to set default recording quality setting. The highest quality is HQ and requires more storage space. Other settings reduce recording quality and require less storage space.
Permanent Timeshift	Select to set Permanent Timeshift on or off.
REC Device	Choose device (hard drive or USB) to be recorded.
Timeshift Device	Choose device (hard drive or USB) to be used for Timeshift.

Network Settings

Wired Lan Setup	Set Network Settings. Before use these functions, check following items: 1) Connect NRX to Network first. 2) Please enable NetBIOS of TCP/IP on computer. 3) Please turn off or configure properly your PC's firewall. 4) Please share folders to browse. Then select DHCP(AUTO) or FIX IP(MANUAL). DHCP IP(AUTO) Set DNS server IP address by auto. FIX IP (MANUAL) You have to enter followings: IP address, Subnet Mask, Default Gateway according to your domestic settings.
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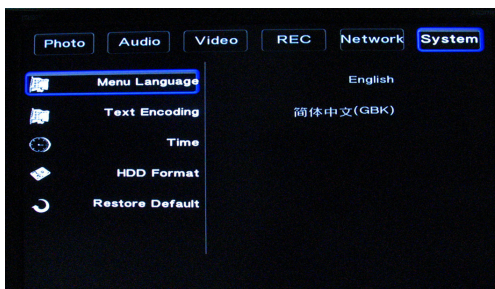
System Settings

Select **System** from menu.



Menu Language

Choose OSD (On Screen Display) language.



Text encoding

Choose the text encoding language.

Time

Select to set system time. Enter Manual setup



Enter system menu: select field and adjust settings.



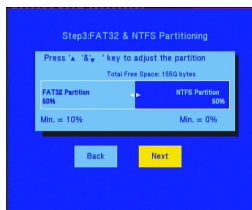
HDD format



Warning: Make sure you made a backup of your datas before formatting as it will erase all datas.



Partitionning



Step 1: Adjust Fat32, NTFS partition and capacity according to your needs.

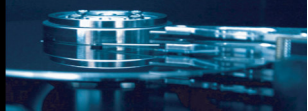
Step 2: Press "Format" to start. Select cancel to return to previous page.

Restore default

Select to restore factory default.



WARNING: Your personal settings will be cancelled.



SPECIFICATIONS

CONTENT FORMAT SUPPORTED:

- Video: AVI / MPG / MPEG / MP4 / DAT / VOB
- Photos: JPEG / JPG
- Maximum pictures recognizable: 9999 files
- Audio: MP3 / WAV / WMA / ACC / OGG
- Maximum files recognizable: 9999 files
- Compression rate: between 32 kbps and 320 kbps

RECORDABLE MEDIA SUPPORTED:

- Built in HDD
- Built in USB

VIDEO RECORDING MODE

Mode	DVD	320 GB HDD	500 GB HDD	750 GBHDD	1TB
HQ	1hr	64hrs	100hrs	150hrs	240hrs
SP	2hrs	128hrs	200hrs	300hrs	480hrs
LP	3hrs	192hrs	300hrs	450hrs	720hrs
EP	4hrs	256hrs	400hrs	600hrs	940hrs
SLP	6hrs	384hrs	600hrs	900hrs	1440hrs

VIDEO RECORDING FORMAT

- MPEG2: DVD+VR (HQ/SP/LP/EP/S-LP mode)

AUDIO RECORDING FORMAT

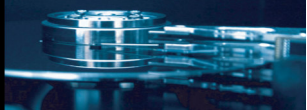
- DVD+VR (HQ/SP/LP/EP/SLP mode): MPEG2 2-channel

VIDEO OUTPUT SPECIFICATION

Composite	Output 1 Vpp 75 Ohm
Components Output	Y:1 Vpp 75 Ohm
	C _b :0.7 Vpp 75 Ohm
	C _r :0.7 Vpp 75 Ohm

AUDIO PERFORMANCE

DA Converter	24-bit/192kHz
AD Converter	24-bit/96kHz
Signal-Noise (1kHz)	≥ 95dB
Dynamic Range	≥90dB (1kHz)
Separation Channel	≥95dB
Total Harmonic	
Distortion (1kHz)	≤-85dB



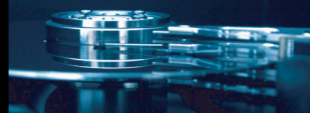
CONNECTIONS

Video Input	RCA Connector (yellow) x 1
Audio L/R Input	RCA Connector (white/red) x 1
IEEE 1394 Input	Mini Jack x 1
USB	USB Port x 1
HDD	Atapi port x 1
Video Output	RCA Connector (yellow) x 1
Audio L/R	RCA Connector (white/red) x 1
Video Input	RCA Connector (yellow) x 1
Audio L/R	RCA Connector (white/red) x 1
S-Video Input	4-pin
Component / Progressive	YPbPr

GENERAL

Power Supply	AC 100~240V - 50~60Hz
Power	Approx. 35 W
Operating	+5°C to +40°C (+36°F to +104°F)
Operating Humidity	5% to 80% RH
Dimensions (W/H/D)	430 x 66 x 316 mm
Net Weigh	Approx. 2300 grs

Note: The specifications and design of this product are subject to change without any notice



TROUBLESHOOTING

For detailed troubleshooting information, please visit www.memup.com and consult FAQ

1. When power is on, nothing appears or screen is shaking:

- Video output mode is not properly set, press [TV SYSTEM] on remote control to change output mode until it is properly set.

2. While playing movie file, subtitle is not shown.

- Make sure movie file name matches to subtitle file name.

3. While playing movie, there is no audio output.

- In SETUP menu, check if audio output mode is properly set.
- Check volume level.
- Check if [MUTE] is activated.
- Display different TV output to check if none are available

4. I can't connect NRX to network.

- Please refer to Network settings part and follow step by step
- It could depend on your Operating system, for other OS, please check our FAQ in www.memup.com
- Make sure your personal firewall is deactivated or correctly set to function with NRX
- Make sure your network cable is correctly plugged
- Shared files must be activated in your domestic network

5. I can't see what I'm recording

- Make sure you're in Video in part
- Check if you are correctly plug through AV in input

6. The NRX can't read my files (h.264, mkv, rmvb, png, bmp ...).

- NRX chipset can't read some files, even some firmware couldn't correct, reading files are mentioned on giftbox and in "specifications" part. Some will be added and available in www.memup.com

7. Some Remote control buttons have no functions.

- Some functions will be added and will be available thanks to firmware in www.memup.com